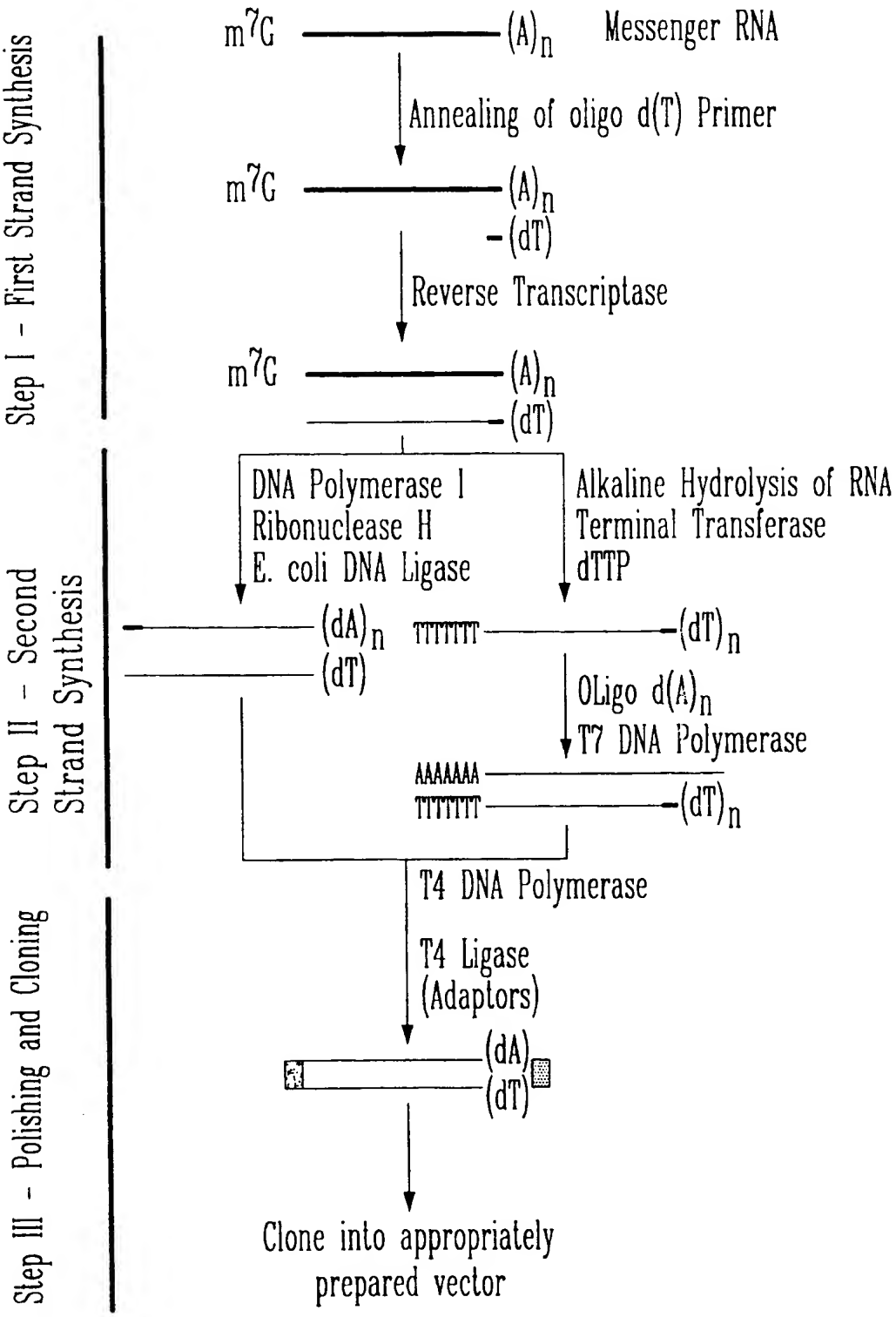


FIG. 1 PRIOR ART

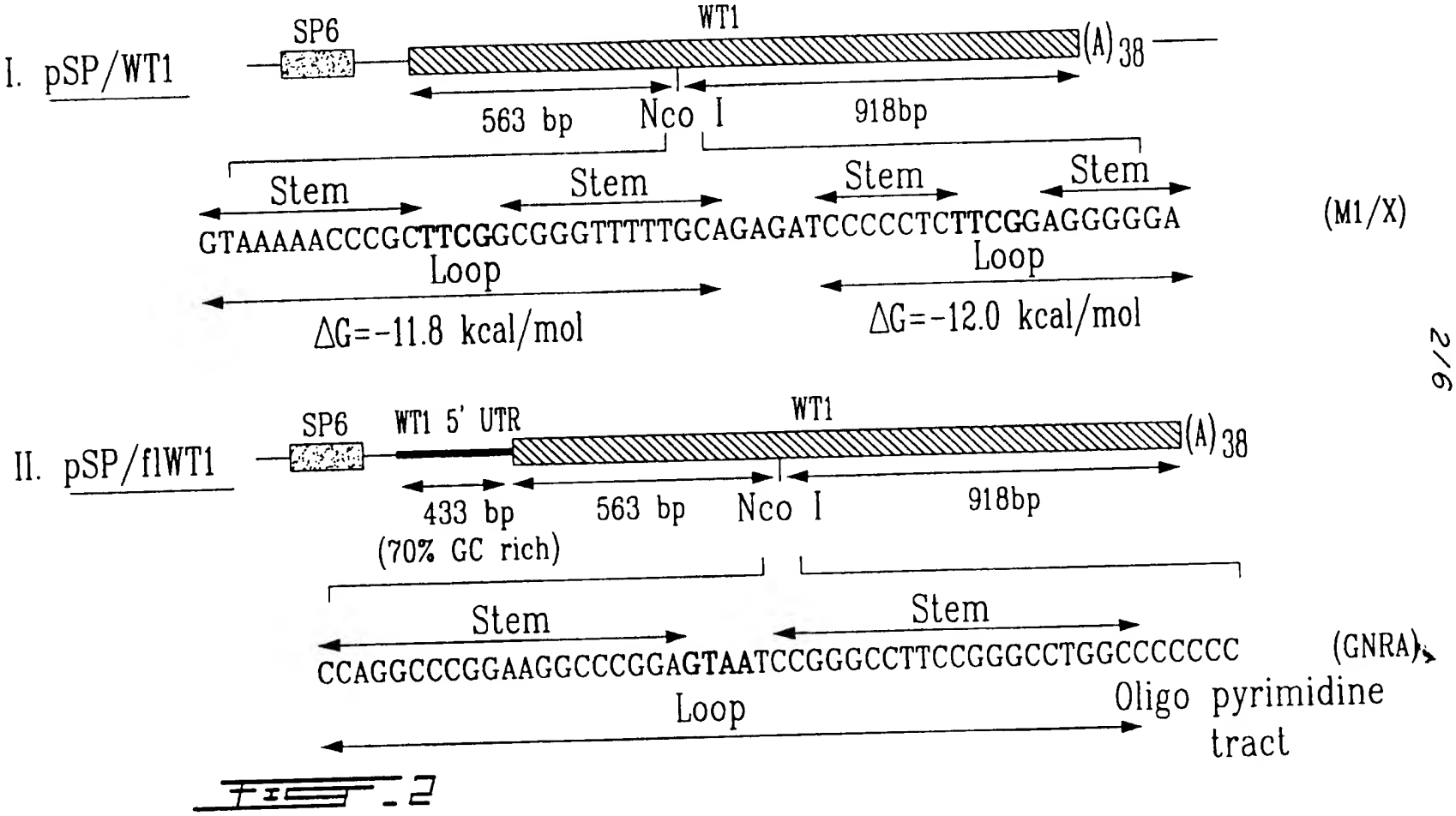

I. pSP/WT1
SP6
WT1
(A)38
563 bp
Nco I
918bp
Stem
Stem
Stem
Stem
GTAAAAACCCGCTTCGGCGGGTTTTTGCAGAGATCCCCCTCTTCGGAGGGGGA
(M1/X)
Loop
Loop
ΔG=-11.8 kcal/mol
ΔG=-12.0 kcal/mol
II. pSP/flWT1
SP6
WT1 5' UTR
WT1
(A)38
433 bp
(70% GC rich)
563 bp
Nco I
918bp
Stem
Stem
CCAGGCCCGGAAGGCCCGGAGTAATCCGGGCCTTCCGGGCCTGGCCCCCCC
(GNRA)
Loop
Oligo pyrimidine
tract

Fig. 2

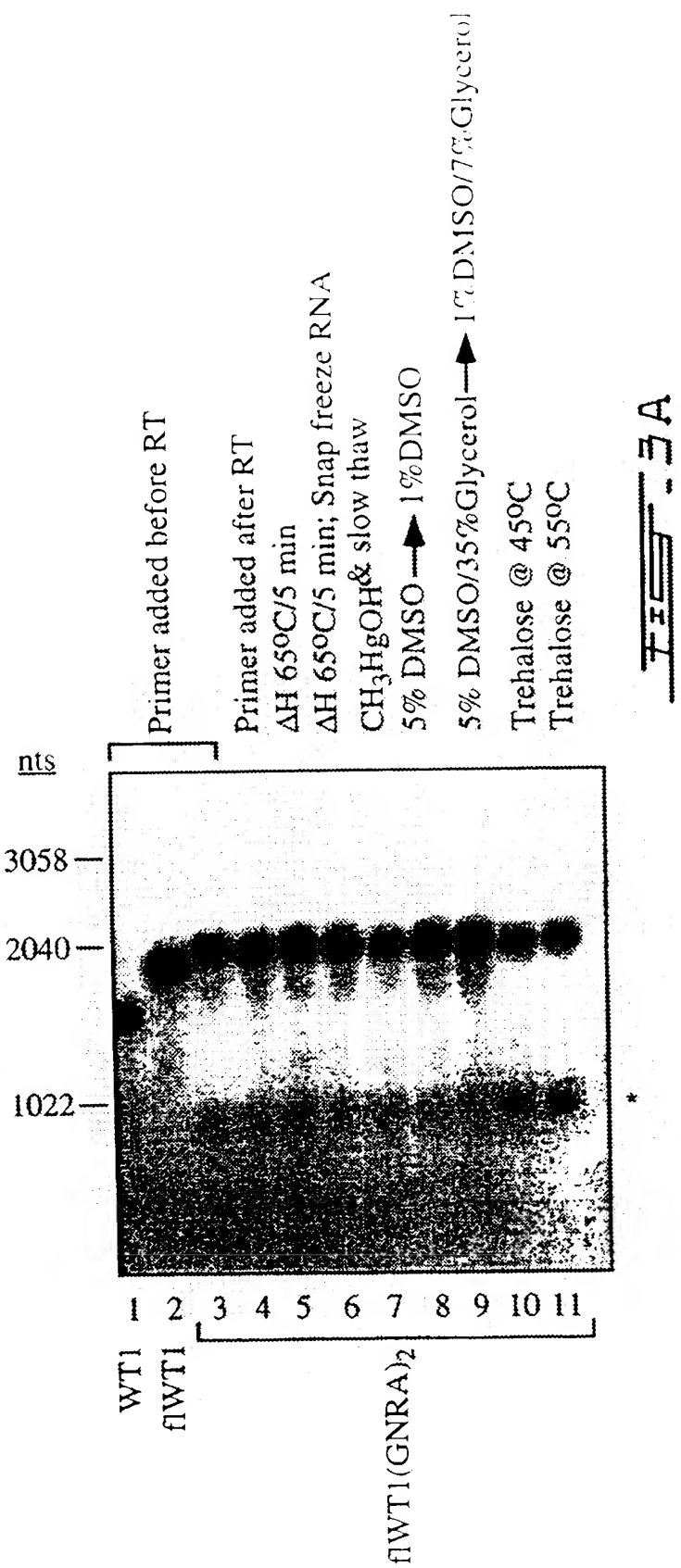

Primer added before RT
Primer added after RT
ΔH 65°C/5 min
ΔH 65°C/5 min; Snap freeze RNA
CH_3HgOH & slow thaw
5% DMSO → 1%DMSO
5% DMSO/35%Glycerol → 1% DMSO/7%Glycerol
Trehalose @ 45°C
Trehalose @ 55°C
nts
3058
2040
1022
*
1 2 3 4 5 6 7 8 9 10 11
WT1
flWT1
flWT1(GNRA)2

FIG - 3A

nts
3058
2040
1022
+eIF-4A
+eIF-4A
+eIF-4B
+eIF-4B
+eIF-4A/eIF-4B
+eIF-4A/eIF-4B
1 2 3 4 5 6 7 8
fIWT1
fIWT1(GNRA)1
fIWT1
fIWT1(GNRA)1
fIWT1
fIWT1(GNRA)1
fIWT1
fIWT1(GNRA)1

Fig-3B

NH2-MQRGNFRNQRKNVKCFNCGKEGHTARNCRAPRKKGCWKCGKEGHQM
KDCTERQANFLGKIWPSYKGRPGNFL-COOH

Fig. 4A

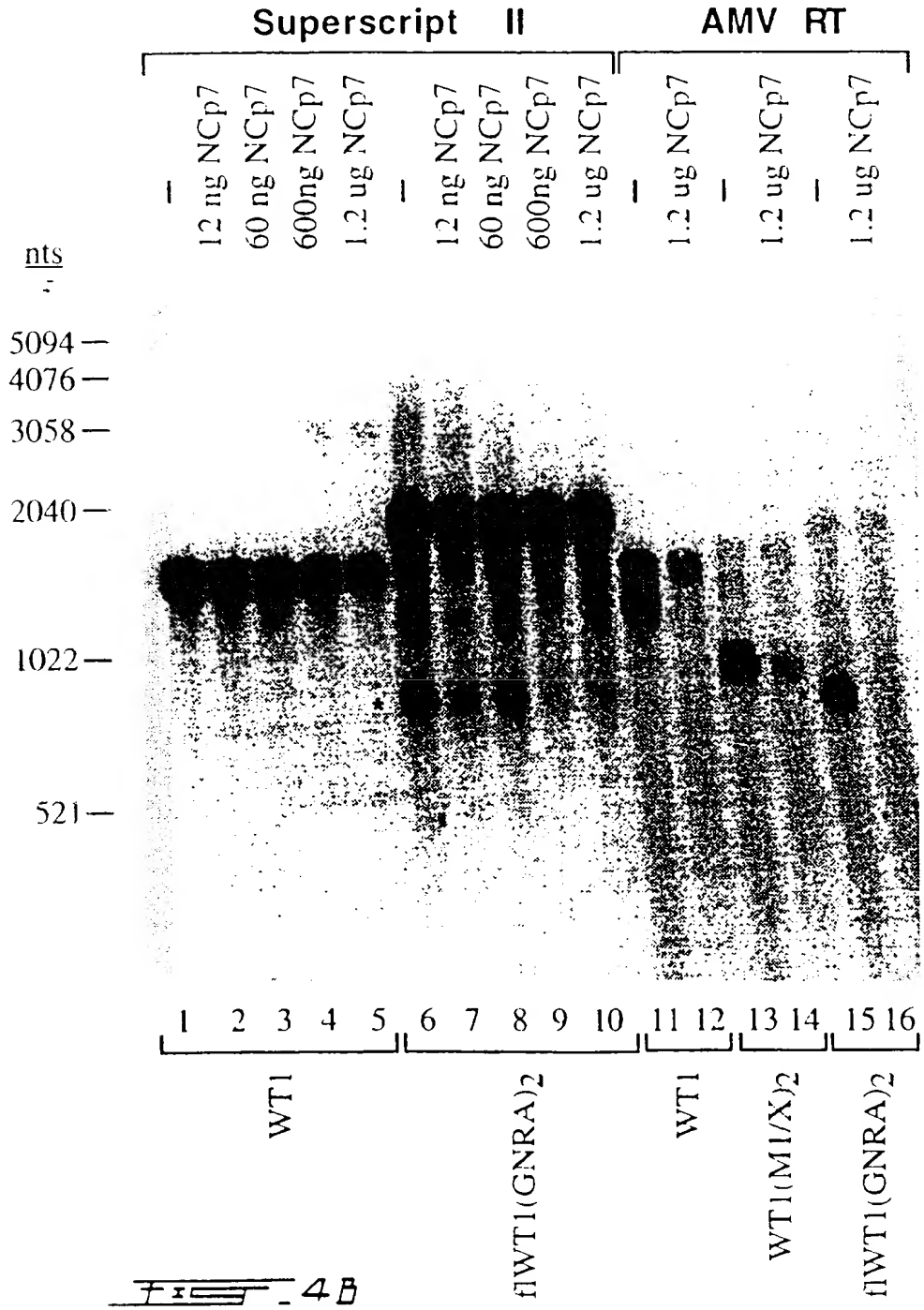


Fig. 4B

In vitro transcribed WT1 mRNA

$(A)_n$

Superscript II
Oligo $d(T)_n$

$(A)_n$
$(T)_n$

Alkaline hydrolysis of RNA
Terminal transferase
dTTP

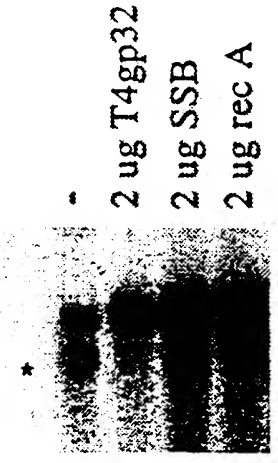
TTTTT $(T)_n$

T7 DNA polymerase
Oligo d(A)n
α-^{32}P-dATP

AAAAA
TTTTT $(T)_n$

Alkaline agarose gel Analysis

Fig. 5A



← WT1 second strand

* denotes truncated product

Fig. 5B